

FIGURE 1

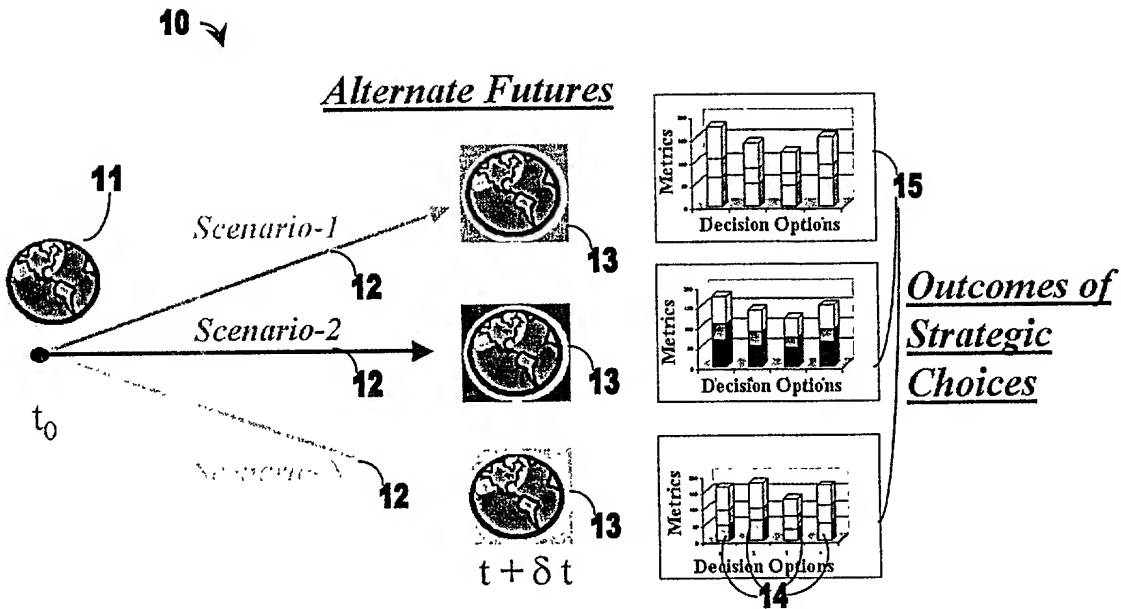


FIGURE 1A

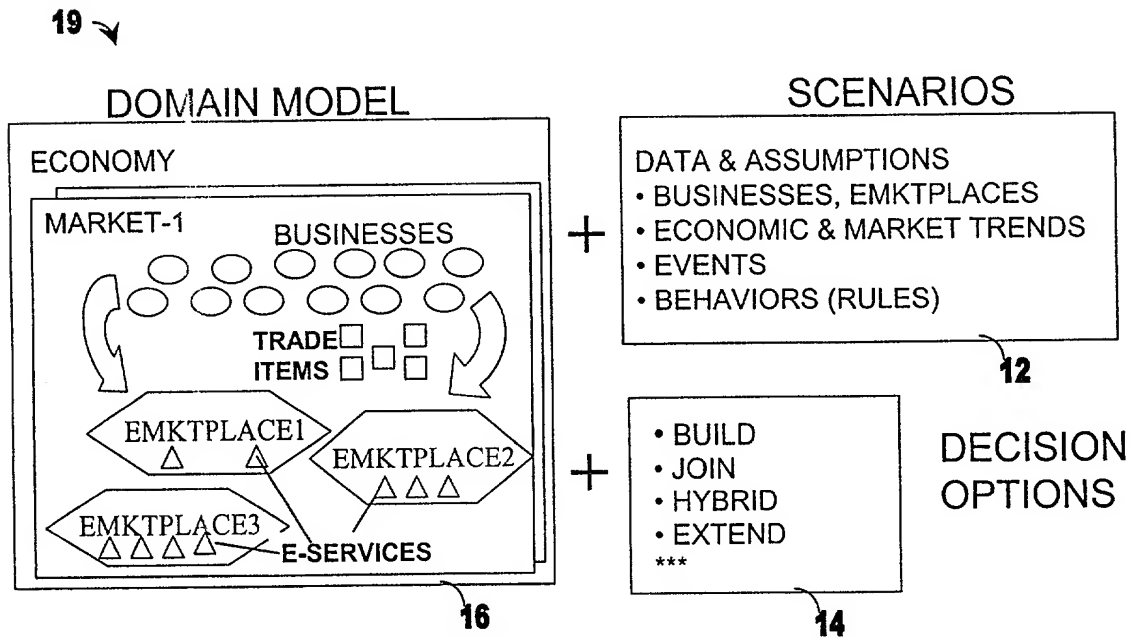


FIGURE 2

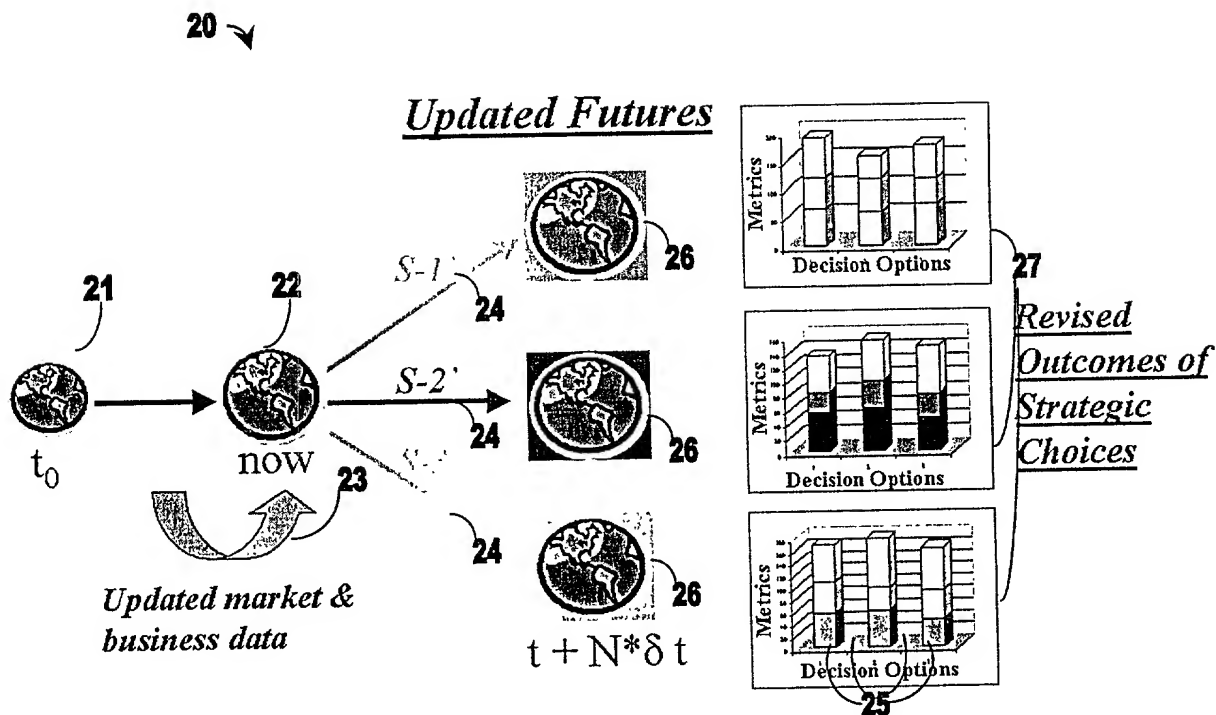


FIGURE 3

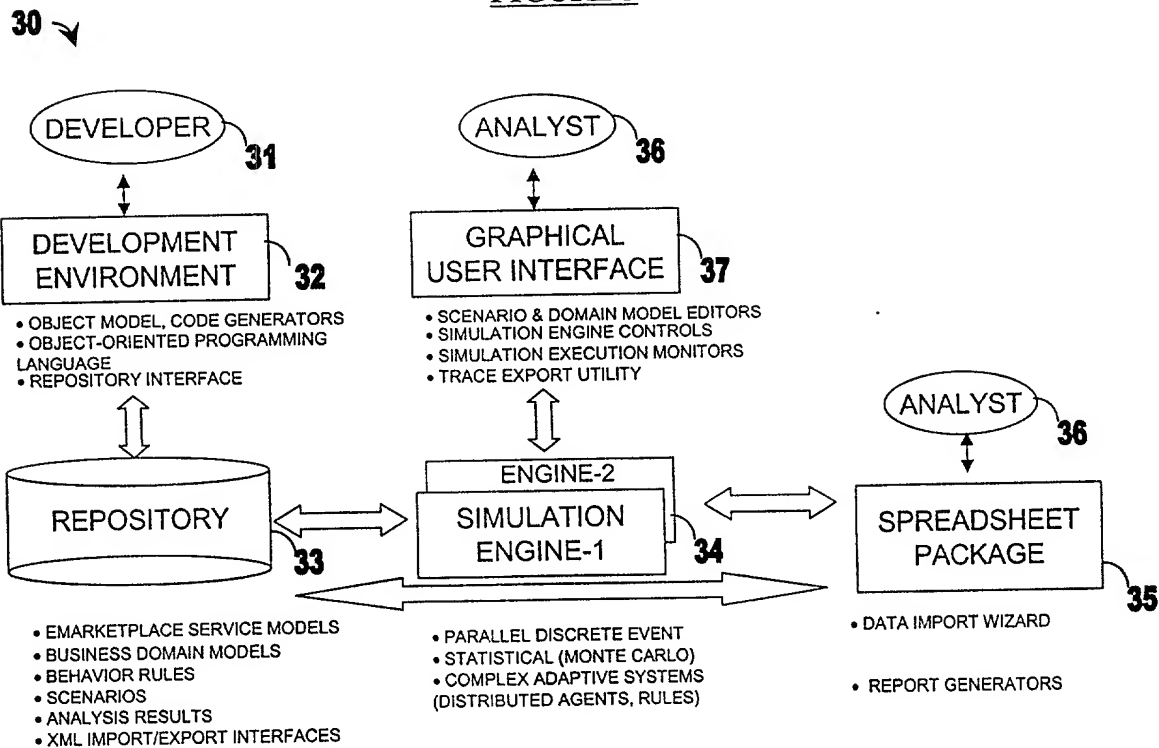


FIGURE 3A

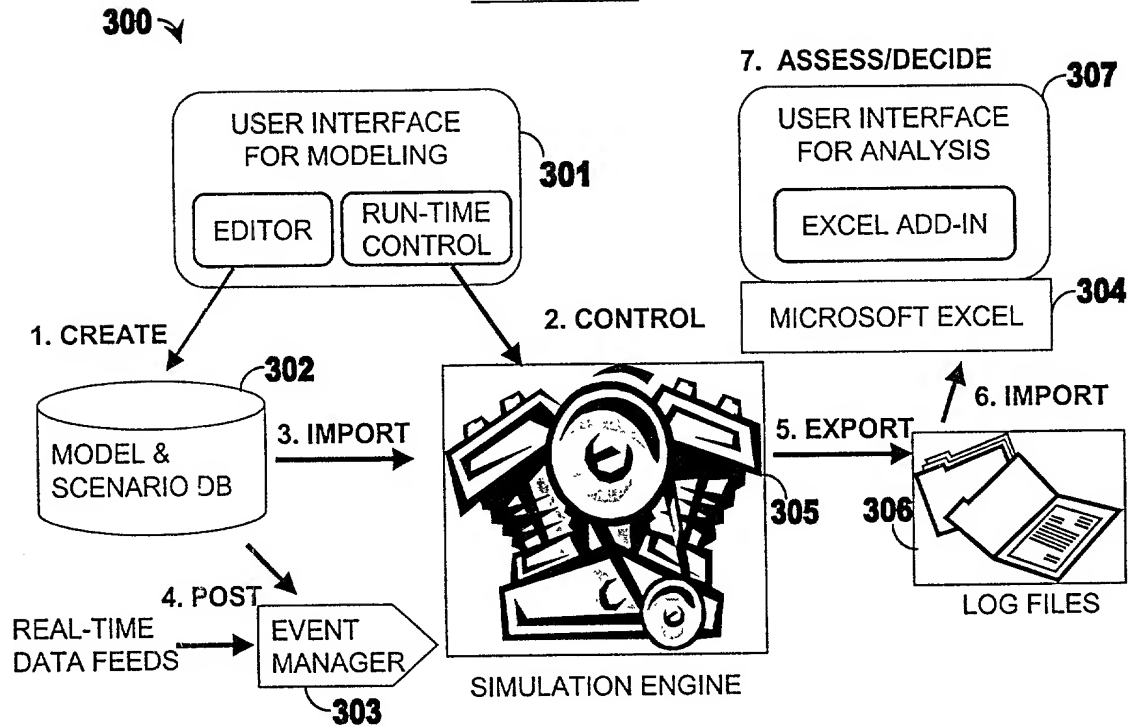


FIGURE 4

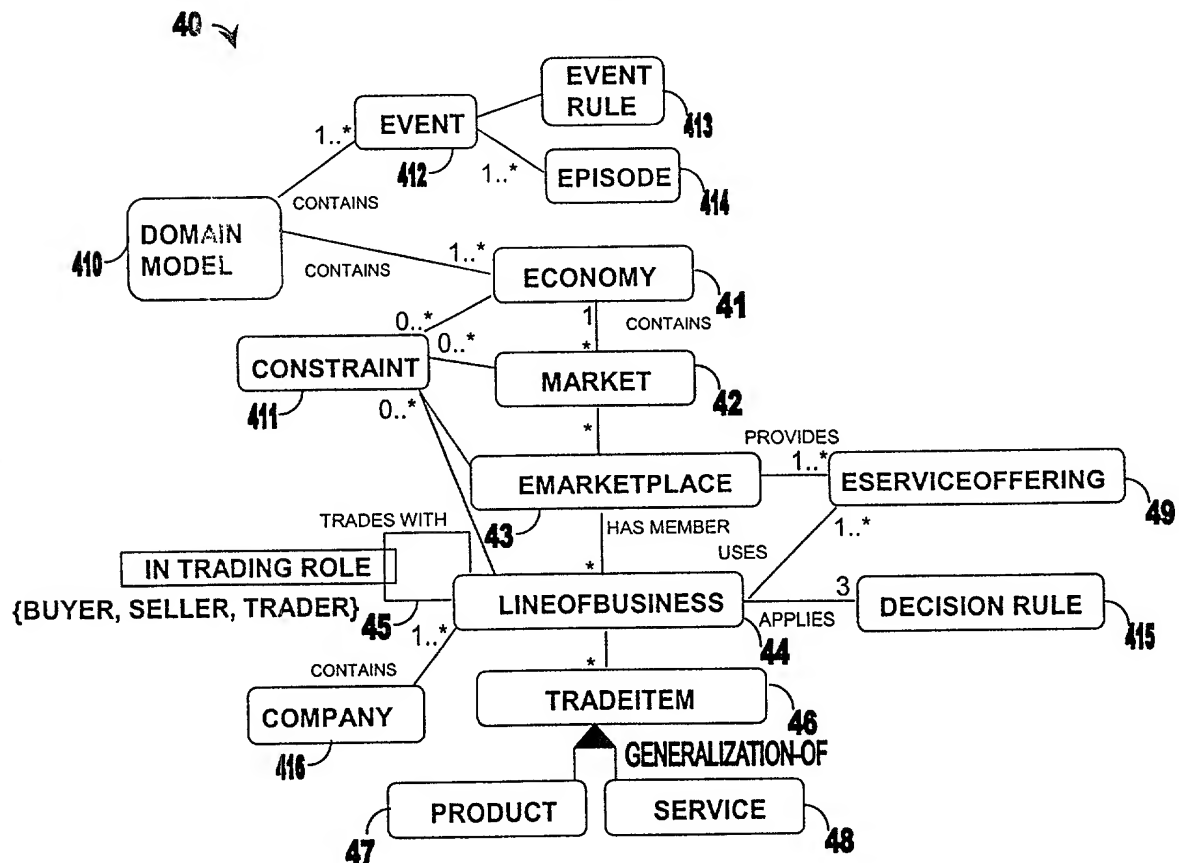


FIGURE 5

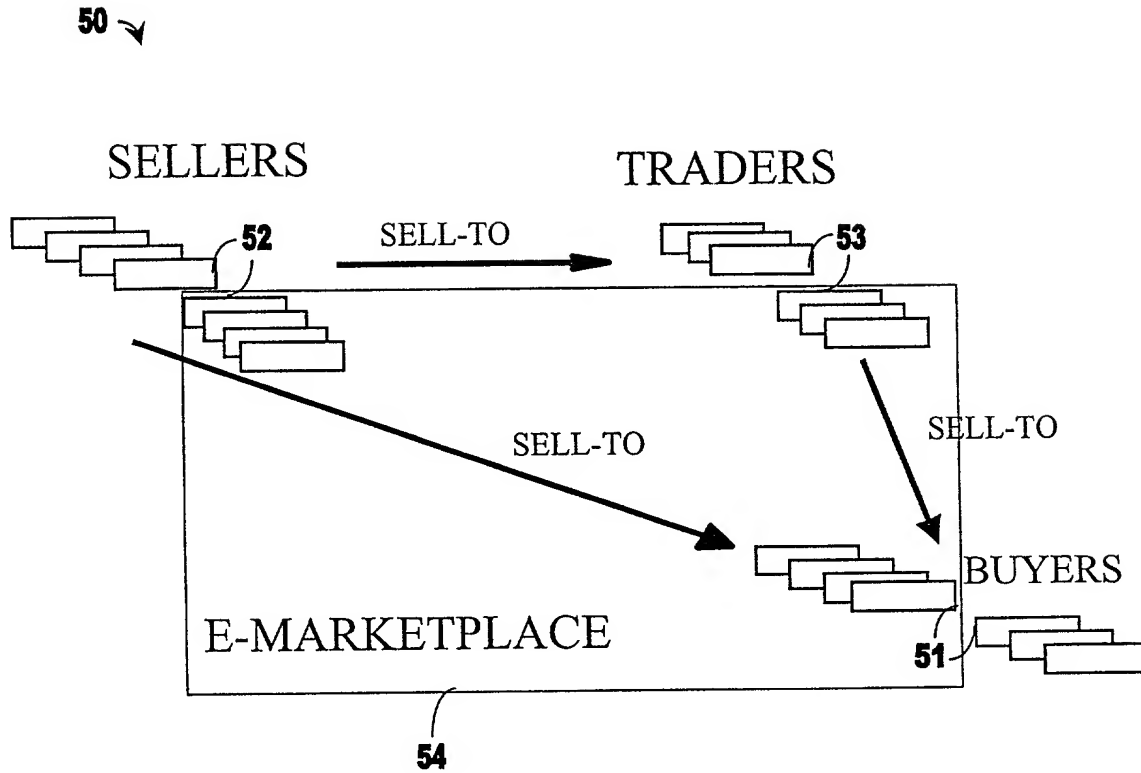


FIGURE 5A

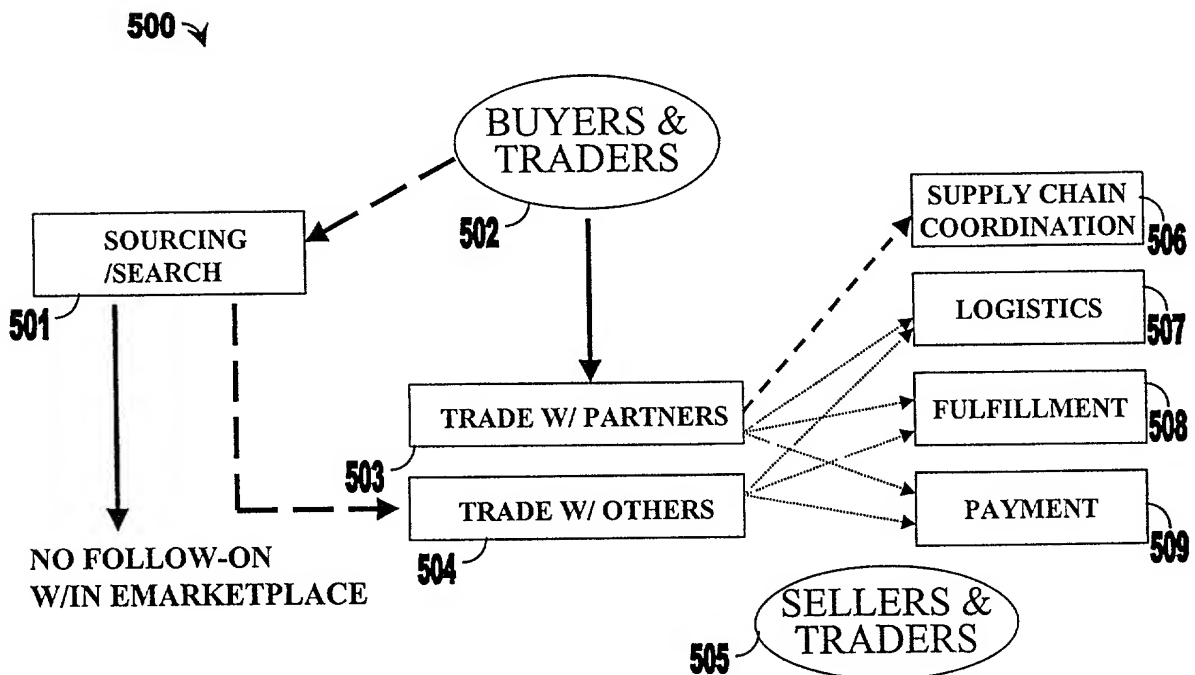


FIGURE 6

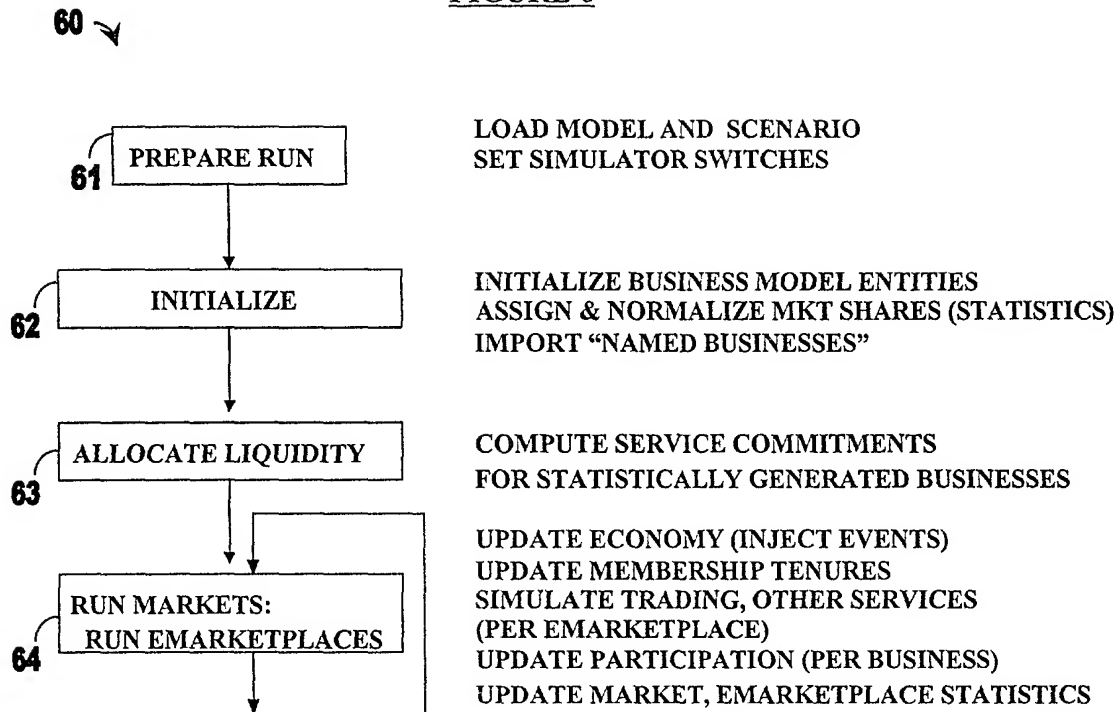


FIGURE 7

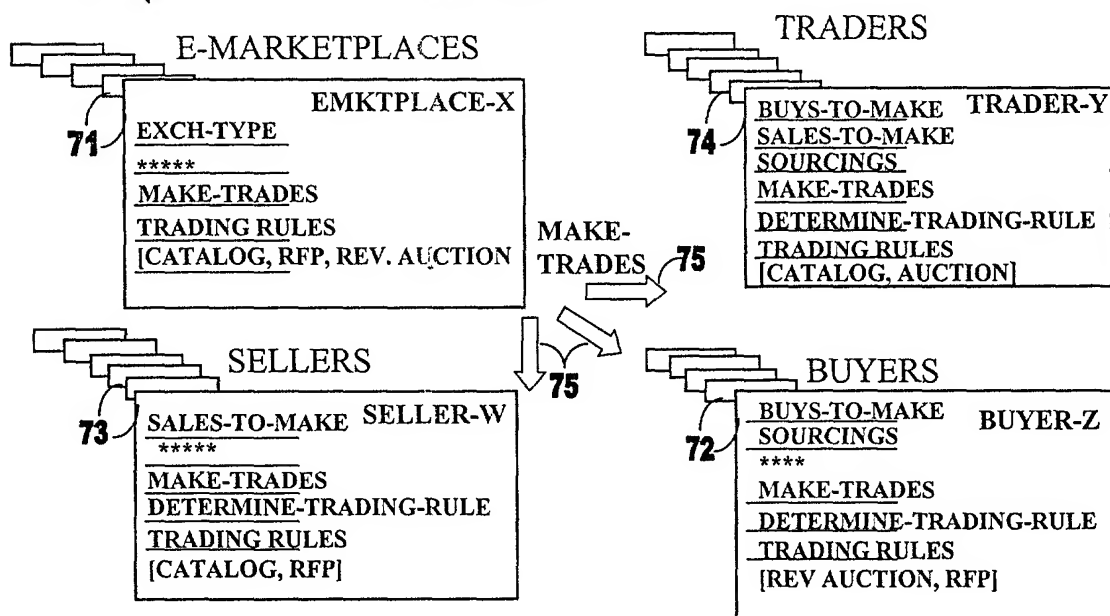


FIGURE 8

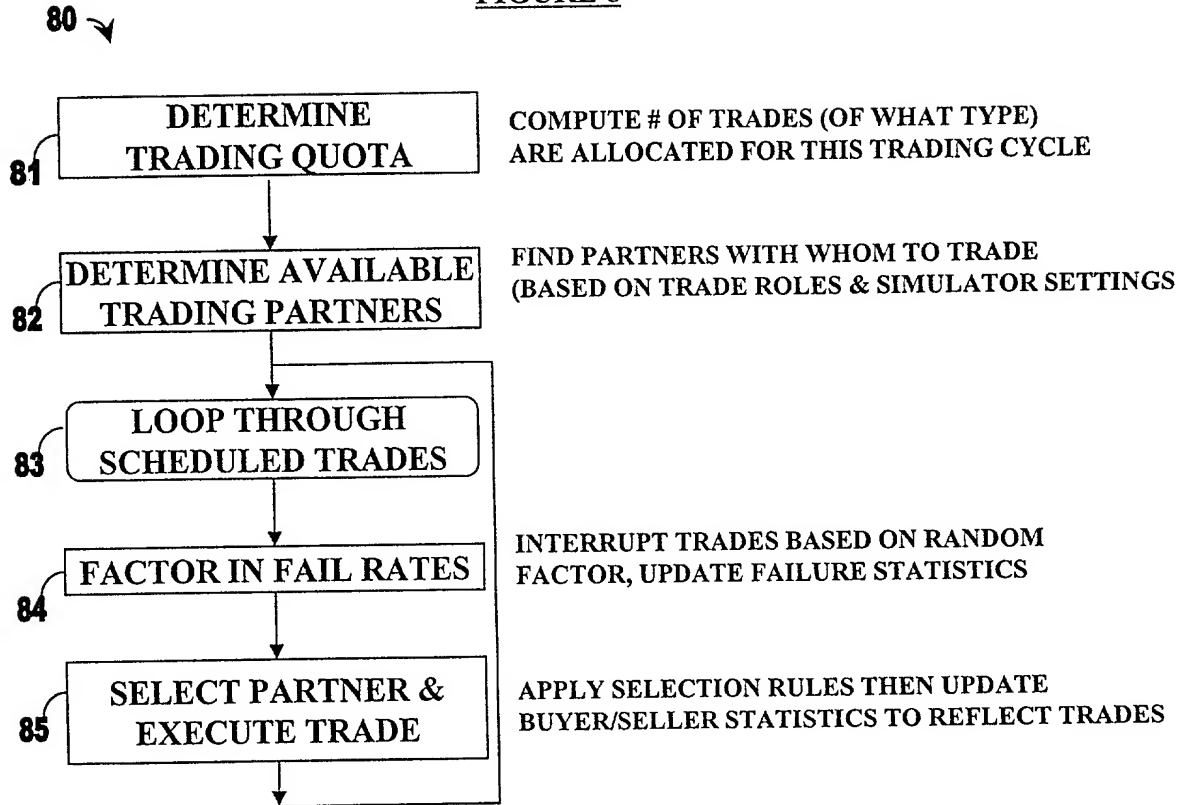


FIGURE 9

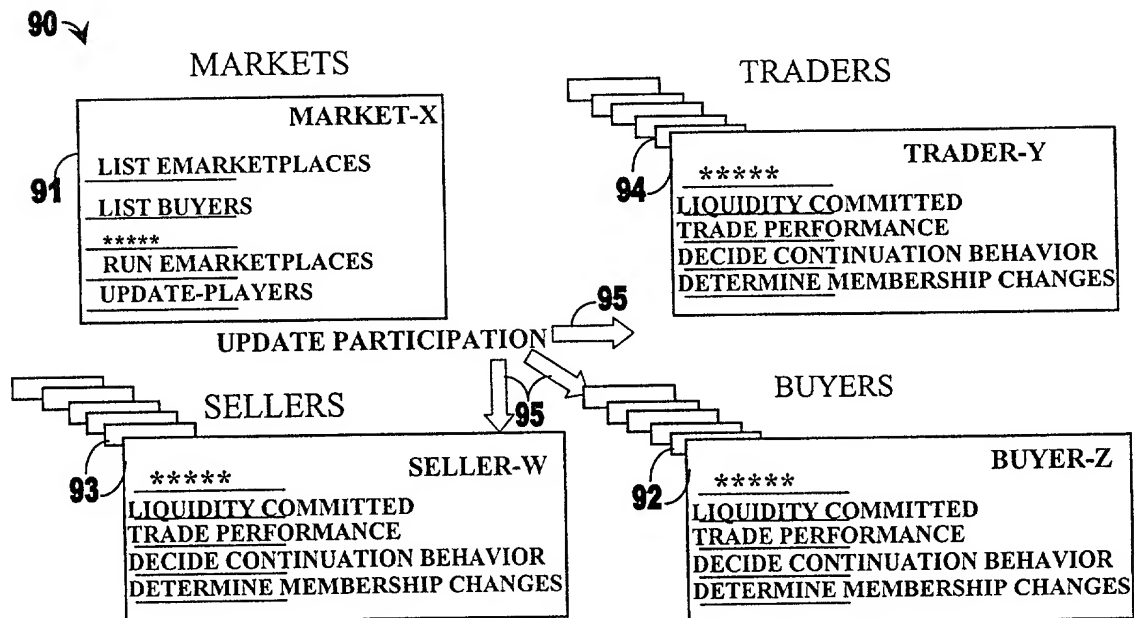


FIGURE 9A

Rules that (Simulated) Businesses apply to change their levels of participation in Exchanges

900 ↘

E-MARKETPLACE SERVICES			
DECISION OPTIONS	CURRENTLY SUBSCRIBED	AVAILABLE BUT NOT USED	NEWLY ADDED
NO CHANGE	X	X	X
INCREASE PARTICIPATION	X		
DECREASE PARTICIPATION	X		
SUBSCRIBE (AT SOME LEVEL)		X	X
WITHDRAW FROM EMKTPLACE	X	X	X

FIGURE 9B

Rules that (Simulated) Businesses apply to decide whether or not to join Exchanges

901 ↘

DECISION FACTORS	VALUES	WEIGHTS		
MEMBERSHIP LEVELS				
TRADING LIQUIDITY				
CONTENT				
COMMERCE				
COLLABORATION				
COMMUNITY				
CUST REL. MGMT				
OTHER MODEL PARAMETERS				
DECISION FUNCTION = F(VALUE-X * WEIGHT-X)				
			DECISION OPTIONS	
			JOIN	
			RESULT <= THRESHOLD	
			NO CHANGE (DON'T JOIN)	
			RESULT > THRESHOLD	

FIGURE 10

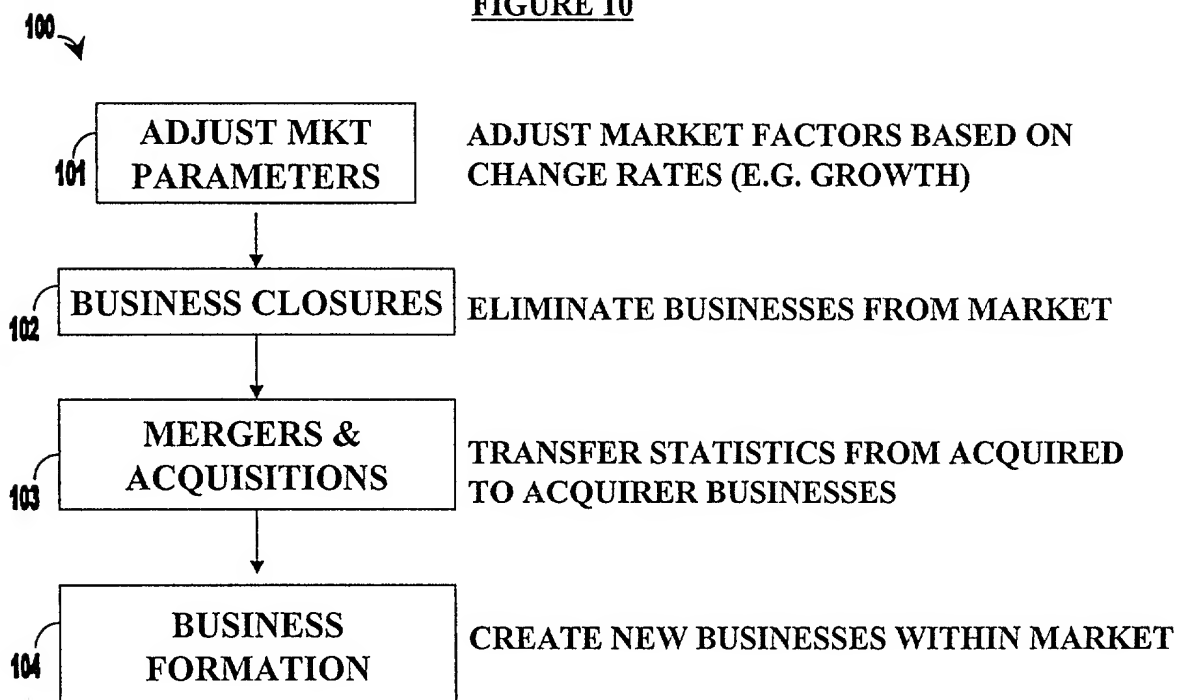


FIGURE 11

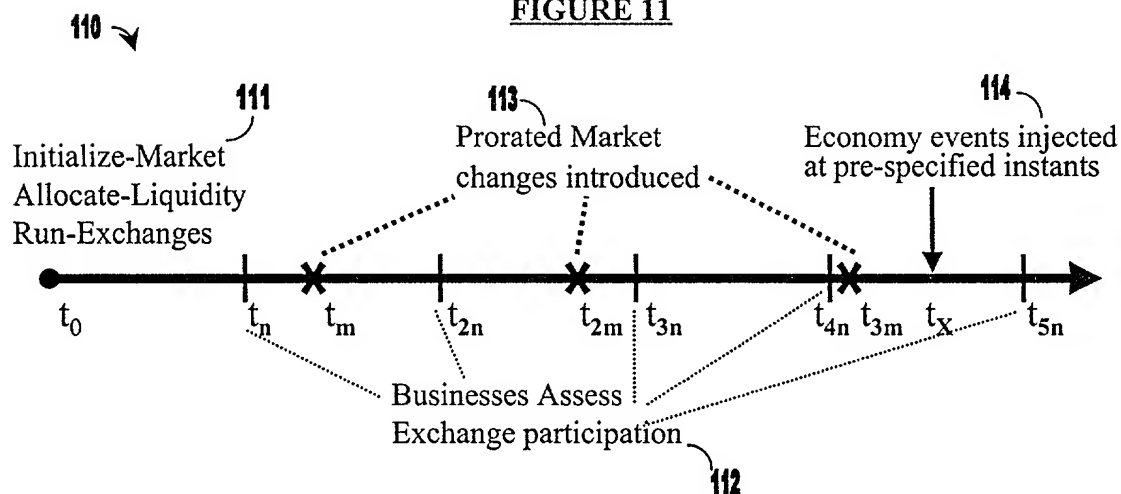


FIGURE 12

120

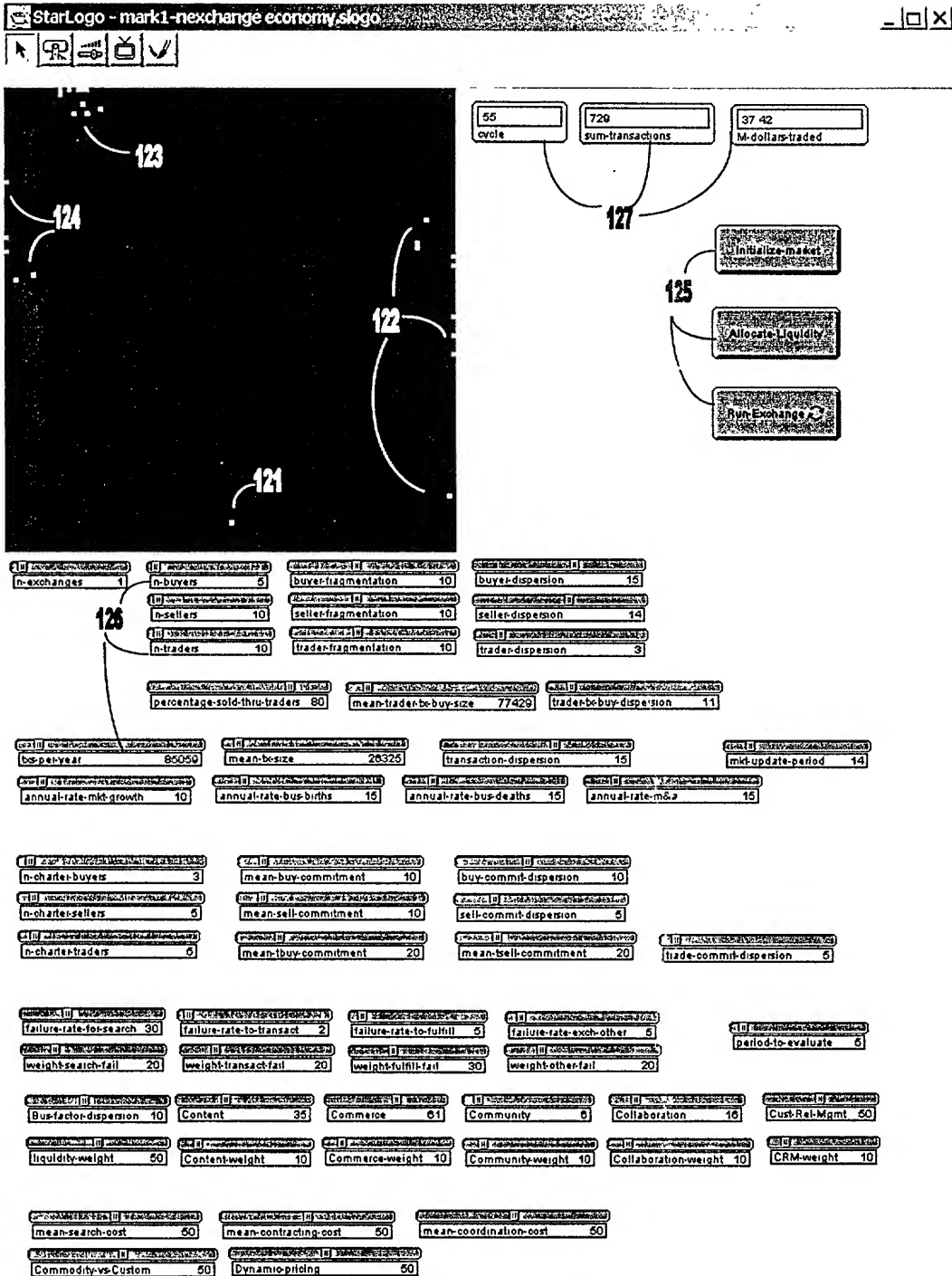


FIGURE 13

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Output Window
File Edit Font Size Windows Help

Turtle #7: *Unable to find seller. Cancelling transaction
***** Summary of Exchange and Member states: *****
CS, Cycle, ID, Player-Type, Name, Mkt Share%, Txs-Sell, Txs-Buy, Txs-Failed, Money-Recvd, Money-Spent, Txs-Buy-Alloc, Tx
Turtle #12: 47,12,Buyer,12,2.66,0,0,0,0,0,0,0,0,0,-50,0,0,135,0.03
Turtle #6: 47,6,Seller,6,0.4,0,0,0,0,0,0,0,0,0,50,0,0,95,0.16
Turtle #0: 47,0,Buyer,0,22.22,0,142,70,0,4229383,0,0,0,-48,0,0,135,0.04
Turtle #28: 47,28,Exchange,28,7.03,334,335,151,20105613,9675389,7,0,0,0,7.81,6.25,65,-0.06
Turtle #27: 47,27,Trader,27,4.17,48,68,24,1293350,5763427,2,2,22,20,45,0,0,26,0.09
Turtle #26: 47,26,Trader,26,3.52,45,55,29,1233462,4373192,2,1,13,17,45,0,0,26,-0.07
Turtle #25: 47,25,Trader,25,2.87,8,4,2,277466,277196,0,0,0,0,50,0,0,25,-0.01
Turtle #24: 47,24,Trader,24,4.82,29,44,21,806076,3668196,1,2,18,12,46,0,0,26,-0.05
Turtle #23: 47,23,Trader,23,3.95,32,58,16,920982,4771951,2,2,11,12,46,0,0,26,0.07
Turtle #22: 47,22,Trader,22,3.74,0,0,0,0,0,0,0,0,0,50,0,0,25,-0.1
Turtle #21: 47,21,Trader,21,3.95,0,0,0,0,0,0,0,0,0,50,0,0,25,-0.09
Turtle #20: 47,20,Trader,20,4.17,0,0,0,0,0,0,0,0,0,50,0,0,25,0.14
Turtle #19: 47,19,Trader,19,3.3,0,0,0,0,0,0,0,0,0,50,0,0,25,0.01
Turtle #18: 47,18,Trader,18,4.17,0,0,0,0,0,0,0,0,0,50,0,0,25,0.08
Turtle #17: 47,17,Seller,17,7.07,89,0,0,5390442,0,0,2,16,0,45,0,0,96,-0.04
Turtle #16: 47,16,Seller,16,6.46,85,0,0,5481599,0,0,3,17,0,42,0,0,96,0.03
Turtle #14: 47,14,Seller,14,6.56,98,0,0,5498609,0,0,3,17,0,42,0,0,96,-0.09
Turtle #11: 47,11,Seller,11,5,0,0,0,0,0,0,0,0,0,50,0,0,95,-0.03
Turtle #10: 47,10,Seller,10,4.61,0,0,0,0,0,0,0,0,0,50,0,0,95,-0.02
Turtle #9: 47,9,Seller,9,4.22,0,0,0,0,0,0,0,0,0,50,0,0,95,-0.07
Turtle #8: 47,8,Seller,8,13.15,0,0,0,0,0,0,0,0,0,50,0,0,95,-0.05
Turtle #7: 47,7,Buyer,7,8.99,0,202,86,0,5675561,7,0,0,31,-44,0,0,137,0.05
Turtle #4: 47,4,Buyer,4,11.97,0,0,0,0,0,0,0,0,0,-50,0,0,135,-0.26
Turtle #3: 47,3,Buyer,3,9.72,0,0,0,0,0,0,0,0,0,-50,0,0,135,0.02
Turtle #2: 47,2,Trader,DistribTech,5.78,35,43,24,1212533,3286863,2,2,11,10,48,0,0,26,-0.1
Turtle #1: 47,1,Seller,Betadynne,8.09,78,0,0,4846424,0,0,3,12,0,48,0,0,96,-0.08
*Exchange Liquidity: Cycle Total txs and M-dollars-traded,47,653,33.2
Turtle #2: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,2,Trader,[17 16 14 1],2
Turtle #23: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,23,Trader,[17 16 14 1],2
Turtle #24: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,24,Trader,[17 16 14 1],1
Turtle #26: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,26,Trader,[17 16 14 1],2
Turtle #27: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,27,Trader,[17 16 14 1],2
Turtle #23: *Unable to find seller. Cancelling transaction
Turtle #26: *Unable to find seller. Cancelling transaction
Turtle #2: [make-demand-trades buyer bucks tx 76655 44]
Turtle #24: [make-demand-trades buyer bucks tx 77429 45]
Turtle #27: [make-demand-trades buyer bucks tx 96012 69]
Turtle #26: *Unable to find seller. Cancelling transaction
Turtle #2: [make-demand-trades: seller txs 17 [91 5563109]]
Turtle #27: [make-demand-trades: seller txs 17 [91 5563109]]
Turtle #24: [make-demand-trades: seller txs 16 [86 5559028]]
Turtle #23: [make-demand-trades buyer bucks tx 89043 59]
Turtle #2: *Make-Demand-Trades ,48,2,17,76655,44
Turtle #27: *Make-Demand-Trades ,48,27,17,96012,69
Turtle #24: *Make-Demand-Trades ,48,24,16,77429,45
Turtle #23: [make-demand-trades: seller txs 14 [99 5587652]]
Turtle #23: *Make-Demand-Trades ,48,23,14,89043,59
Turtle #2: *Unable to find seller. Cancelling transaction
Turtle #27: [make-demand-trades buyer bucks tx 61169 70]
Turtle #27: [make-demand-trades: seller txs 17 [92 5624278]]
Turtle #27: *Make-Demand-Trades ,48,27,17,61169,70
Turtle #7: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,7,Buyer,[27 26 24 23 17 16 14]
Turtle #7: [make-demand-trades buyer bucks tx 30011 203]
Turtle #7: [make-demand-trades: seller txs 26 [46 1263473]]

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FIGURE 14

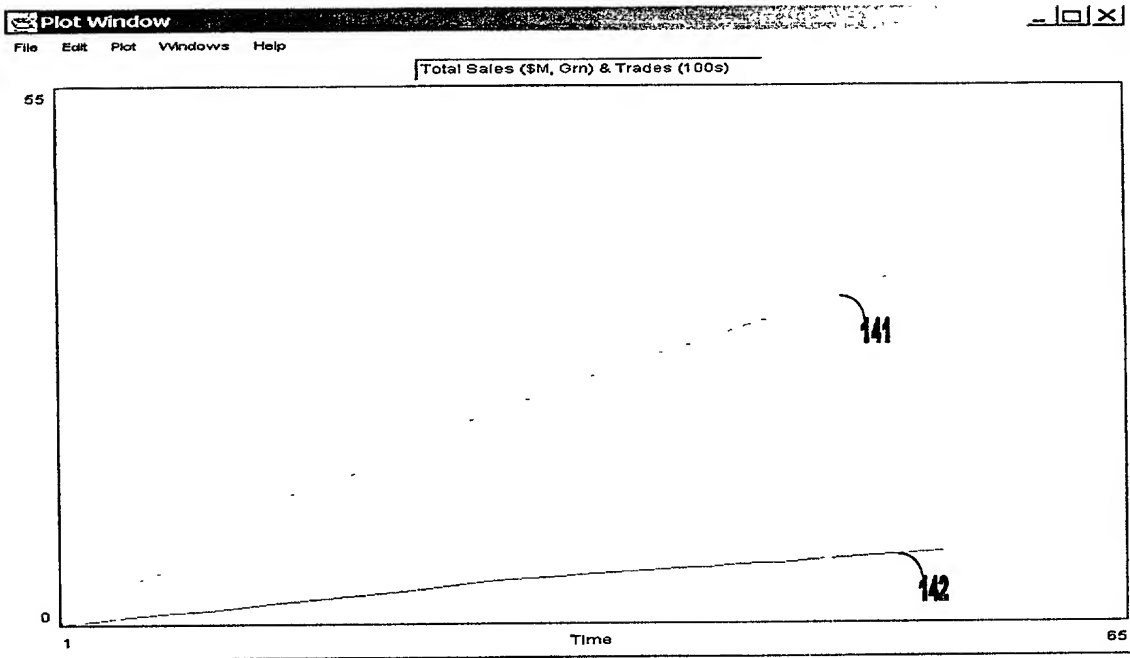


FIGURE 15

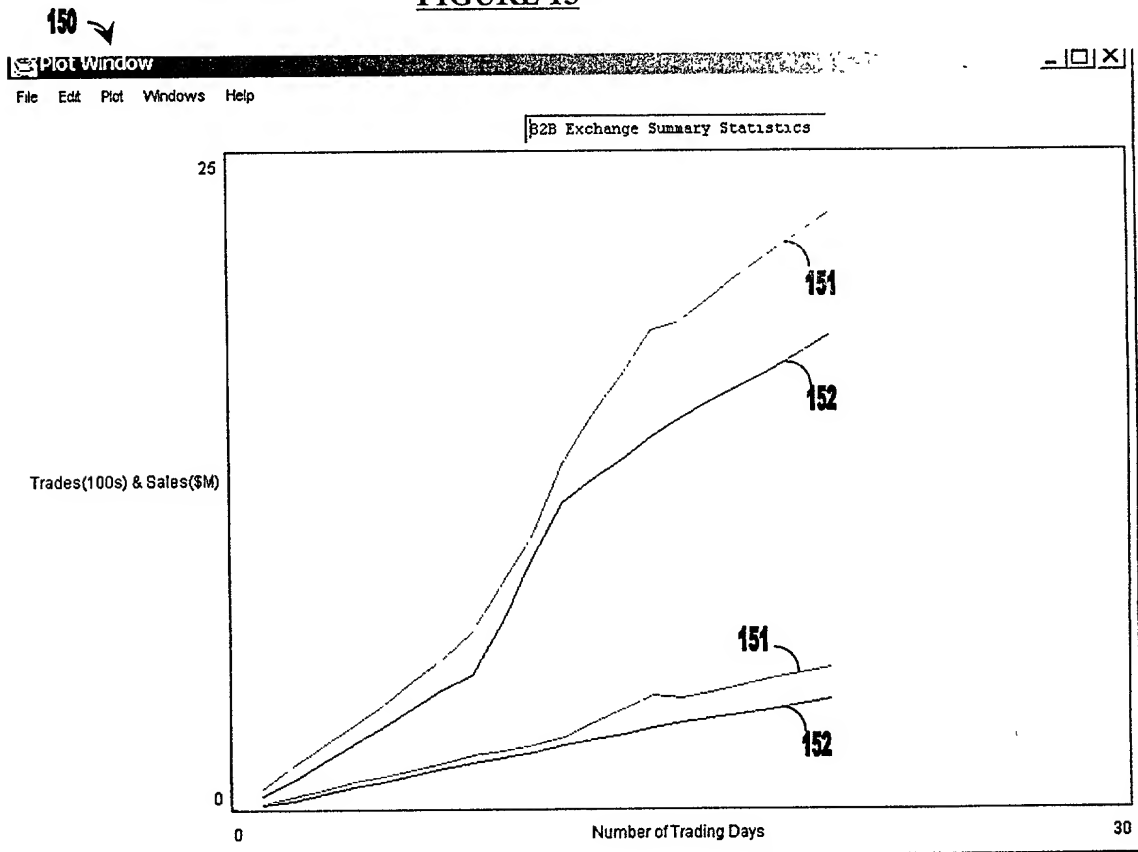


FIGURE 16

